



# 16 OPzS 2000

## 2V - 2000 Ah



### Electrical Specifications @ 20°C

Nominal Voltage		2 V
Capacity	C10 / 1,80V	2143 Ah
	C5 / 1,77V	1838 Ah
	C3 / 1,75V	1591 Ah
	C1 / 1,67V	1162 Ah
Self Discharge	per Month	≈ 2 %
Resistance	fully charged	≈ 0,17 mΩ
Float Charge	+/- 1%	2,23 Volt
Boost Charge	+/- 1%	2,35-2,40 Volt
Boost Charge Max. current	Max 6h	1,5x I10 Ampere
Short Circuit		12042 Ampere
Temperature correction factor		- 4 mVolt / °C

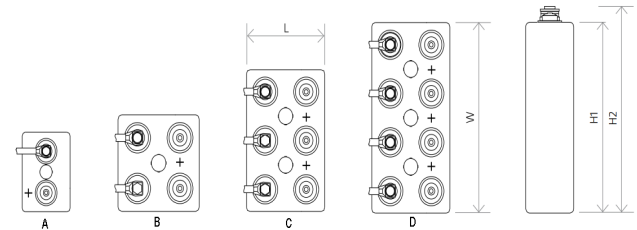
### Other Specifications @ 20°C

Design Life @ 20°C	20 Years
Design Life @ 30°C	10 Years
Design Life @ 40°C	5 Years
Dimensions (LxWxH1) ± 3	212x397x837 mm
Total Height (H2)	837 mm
Operation temp	-20 to 55 °C
Recommended temp	10 to 30 °C
Depth of Discharge DOD	up to 80 % Max.
Case / pole settings	ABS / C A/B/C/D
Terminal	M10 bold
Torque setting	20 ± 1 Nm
Weight ( Dry / Wet )	115 / 160 kg

### Innovative Features

- Positive electrode tubular - plate with a polyester gauntlet in Corrosion resistant LA-PbSbSe - alloy
- Negative electrode grid - pasted type with long-life expander material
- Separation micro porous separator
- Electrolyte sulphuric acid with a density of 1,24 kg/l
- ABS, high impact transparent SAN container
- Plug for arresting aerosols - ceramic plugs according DIN 40 740
- Sliding Pole - bushing 100% gas- and electrolyte-tight
- M10 brass insertion pole
- Connectors, flexible insulated copper cables

### Dimensions / Pole settings



### Constant Current Discharge - Ampere @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	518	507	490	424	349	305	266	237	196	169	107
1,87	696	668	621	488	398	342	302	267	222	190	108
1,83	889	847	742	570	457	385	337	294	244	206	114
1,80	1061	994	830	624	493	412	358	310	256	214	121
1,75	1288	1168	943	684	530	438	378	321	264	220	124
1,70	1574	1364	1035	724	551	449	389	333	272	222	125

### Constant Power Discharge - Watt @ 20°C

V/Cell	15 Min	30 Min	60 Min	2h	3h	4h	5h	6h	8h	10h	20h
1,90	986	967	940	819	678	594	517	463	383	333	213
1,87	1313	1261	1176	930	763	663	586	517	433	371	213
1,83	1638	1572	1372	1070	867	732	643	565	471	398	224
1,80	1935	1815	1527	1161	926	777	677	590	491	411	237
1,75	2294	2106	1716	1261	988	820	711	606	504	419	241
1,70	2732	2429	1867	1329	1017	836	730	628	523	422	237

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